

In The Claims

✓ Cancel claim 1.

Add new claims 68-84 as follows:

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-- 68. (NEW) A first vector selected from the group consisting of (i) a viral vector comprising a viral nucleic acid and a viral vector packaging component or components, (ii) a viral nucleic acid, and (iii) a nucleic acid construct,

wherein when introduced into a packaging cell said first vector is capable of producing a second vector selected from the group consisting of (a) a second viral vector, (b) a viral nucleic acid, and (c) a second nucleic acid construct, each being capable of expressing an exogenous gene or exogenous nucleic acid sequence in a target cell of interest,

wherein said first vector is capable of producing in said packaging cell said second vector, and

wherein said packaging cell is capable of providing one or more packaging components for said second viral nucleic acid,

wherein said second viral nucleic acid or said second nucleic acid construct is structurally different from said first (i) viral nucleic acid or said first (iii) nucleic acid construct, or more than one packaging component for said second viral vector is different from said first viral vector packaging component or components (ii), or both. --

-- 69. (NEW) The first vector of claim 68, wherein said first vector comprises a retrovirus and said second vector comprises adeno-associated virus (AAV). --

-- 70. (NEW) The first vector of claim 68, wherein said structural difference comprises a difference selected from the group consisting of the nucleic acid chemical nature, the

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nucleic acid form, the nucleic acid size, and functional elements, or a combination of any of the foregoing. --

-- 71. (NEW) The first vector of claim 70, wherein said nucleic acid chemical nature, the second viral nucleic acid or the second nucleic acid is selected from the group consisting of RNA and DNA, and the (i) viral nucleic acid or the (iii) nucleic acid construct comprises a different member of said group. --

-- 72. (NEW) The first vector of claim 70, wherein said nucleic acid form, the second viral nucleic acid or the second nucleic acid is selected from the group consisting of single-stranded, double-stranded and partially double-stranded, and the (i) viral nucleic acid or the (iii) nucleic acid construct comprises a different member of said group. --

-- 73. (NEW) The first vector of claim 70, wherein said nucleic acid size, the second viral nucleic acid or the second nucleic acid comprises a segment of the (i) viral nucleic acid or the (iii) nucleic acid construct. --

-- 74. (NEW) The first vector of claim 70, wherein said functional elements, the second viral nucleic acid or the second nucleic acid comprises one or more promoters, one or more enhancer regions, an integration segment and a terminator, or a portion or a segment or a combination of any of the foregoing, and the (i) viral nucleic acid or the (iii) nucleic acid construct comprises a different member of said group. --

-- 75. (NEW) The first vector of claim 68, wherein said first vector comprises a retrovirus and said second vector comprises adeno-associated virus. --

-- 76. (NEW) The first vector of claim 68, wherein said first vector comprises adeno-associated virus and said second vector comprises a retrovirus. --

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-- 77. (NEW) A packaging cell line for propagating the viral vector of claim 75, wherein said packaging cell line provides at least two packaging components for the surface or envelope of said viral vector. --

-- 78. (NEW) The packaging cell line of claim 77, wherein said cell line is native to said viral vector. --

-- 79. (NEW) The packaging cell line of claim 77, wherein said viral vector comprises a retrovirus. --

-- 80. (NEW) The packaging cell line of claim 77, wherein said cell line is selected from the group consisting of NIH 3T3, U937, H9 and 293, or a combination of any of the foregoing. --

-- 81. (NEW) The packaging cell line of claim 77, wherein any sequences for both the surface or envelope components are stably integrated in a chromosome or chromosomes of said packaging cell line. --

-- 82. (NEW) The packaging cell line of claim 77, wherein a sequence of a surface or envelope component is stably integrated in a chromosome or chromosomes of said packaging cell line, and a sequence of another surface or envelope component is transiently expressed. --

-- 83. (NEW) The packaging cell line of claim 77, wherein a sequence of said envelope component is stably integrated in a chromosome or chromosomes of said packaging cell line, and a sequence of said surface component is transiently expressed. --

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-- 84. (NEW) The packaging cell line of claim 77, wherein any sequences for both the surface or envelope components are transiently expressed. --

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